

Notice of Allowability

Application No.

10/756,421

Examiner

Christopher Onuaku

Applicant(s)

MOON ET AL.

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the After Final Response of 5/23/07 and Examiner's Amendment of 6/11/07.
2. ☒ The allowed claim(s) is/are 1-7 (now renumbered 1,2,4,3&5-7, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 6/11/07.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Seth S. Kim on 6/11/07.
3. The application has been amended as follows:

In the Claims:

Claim 1,

line 1, "A" has been deleted;

line 1, before "recording medium", - - An apparatus for
recording/reproducing information from a - - , has been added;

line 1, after "recording medium", "with respect to which data is
transferred by" has been deleted;

line 2, "a recording/reproducing apparatus" has been deleted;

line 2, after ",the", - - recording - - , has been added;

line 7, after "picture and which the" "apparatuses" has been
deleted, and replaced with - - apparatus - - .

Art Unit: 2621

Claim 2,

line 1, after "The", "recording medium" has been deleted, and
replaced with - - apparatus - - .

Claim 3,

line 1, after "The", "recording medium" has been deleted, and
replaced with - - apparatus - - .

Claim 4,

line 1, after "The", "recording medium" has been deleted, and
replaced with - - apparatus - - .

Claim 5,

line 1, after "The", "recording medium" has been deleted, and
replaced with - - apparatus - - .

Claim 6,

line 1, after "The", "recording medium" has been deleted, and
replaced with - - apparatus - - .

Claim 7,

line 1, after "The", "recording medium" has been deleted, and
replaced with - - apparatus - - .

Terminal Disclaimer

4. The terminal disclaimer filed on 4/21/04 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US

Art Unit: 2621

Application No. 09/339,190, now US Patent No.6,757,476 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

5. Claims 1-7 are allowable over the prior art of record.
6. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to recording and/or reproducing information for effectively processing a still picture, including a recording medium for storing virtual deletion information for preventing file extent information from exclusively increasing when some of a data file is deleted by a user's request, and recording and/or reproducing method and apparatus therefor.

The closest references Oguro et al (US 6,301,430) disclose recording and reproducing a digital picture signal, including copy protecting television broadcast programs recorded and reproduced as a digital picture signal, and Yamauchi et al (US 6,047,103) teach an information recording medium for recording an information signal representing at least one of program data, audio information, and video information, data transmitting device/method for retrieving the information signal from the information recording medium, a data receiving device for reproducing a video signal from the retrieved video digital data, and an information processing apparatus including the data transmitting device and the data receiving device.

However, Oguro et al and Yamauchi et al fail to explicitly disclose an apparatus for recording/reproducing information from a recording medium, where the recording medium further comprises at least one additional audio group information, the apparatus using the at least one additional audio group information to arrange at least one additional audio parts into a number of groups, the additional audio group information including second virtual deletion information and which the apparatus uses to virtually delete the one or more of the additional audio parts, wherein the one additional audio group information includes additional audio group general information containing a start position of an additional audio group.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


COO

6/14/07.


JOHN MILLER
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